



## JKL Series PES Filter Capsules

JKL Capsule filter assemblies are ready-to-use filters that offer high flows, increased throughputs, high strength, all with the convenience and cleanliness of a disposable and easy-to-install filter assembly in a small package. These capsules are designed for small pre-filtration, clarification, and final filtration, in sterile compounding applications. The filtration shell is an all-polypropylene construction that provides excellent chemical compatibility, truly flexible, clean, and optimal.

### JKL Filter Capsule with Female Luer Lock Inlet Fitting and Male Luer Lock Outlet Fitting

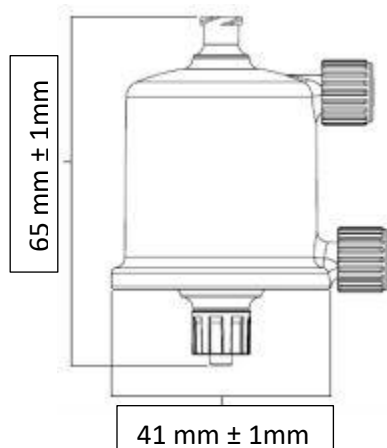


### Technical Data Sheet

Popular Configuration:

Catalog Number	Effective Filtration Area	Inlet Connection	Outlet Connection	Sterilization Type
JKLS120FLM-ETO	260cm <sup>2</sup> [40 in <sup>2</sup> ]	Female Luer Lock	Male Luer Lock	Ethylene Oxide Sterilization (ETO)





## Materials of Construction

- Media: PES Hydrophilic
- Media Supports: Polypropylene
- Cage, Core, End Caps: Polypropylene
- Valve O-Rings: Silicon (Standard)
- Sealing: Thermally Bonded

## Micron Rating:

Final Media: 1.2  $\mu\text{m}$

## Nominal Dimensions:

Lengths: 2.5" (65mm) with fittings

Diameter: 1.6" (41mm)

## Effective Filtration Area:

260  $\text{cm}^2$  [ 40  $\text{in}^2$ ] for dual layer membrane

## Volume Filtered:

5.5L – 13.8L

## Allowable Flowrate:

490 mlpm – 830 mlpm

## Operating Conditions:

Maximum Forward Differential Pressure: Liquid: 5.5 bar (80psi) at 77°F/25°C

Gas: 4.1 bar (60psi) at 77°F/25°C

Minimum Burst Pressure: 8.3 bar (120psi) at 77°F/25°C

Maximum Forward Differential Pressure: 5 bar (72psi) at 68°F/20°C

Maximum Reverse Differential Pressure: 2.1 bar (30psi) at 68°F/20°C

Maximum Operating Temperature: 176°F/80°C



## Filter Integrity:

The finished product was sampled and shown to exhibit a water bubble point of  $\geq 0.8$  bar (11.6 psi) using air at 22°C

## USP Bacterial Endotoxins:

The filters were tested to confirm that an aqueous extraction of this product contains  $<0.25$  EU/ml as determined by the Limulus Amebocyte Lysate (LAL) Test

## Sterilization:

The filters can be autoclaved up to 25 cycles at 125°C (257°F) for 30 minutes

*Warning:* The filters cannot be sterilized by steam-in-place (SIP)

## ISO 10993-5 Cytotoxicity:

Extract from this product is non-Cytotoxic

## ASTM Hemolysis:

Extract from this product is non-Hemolytic

## Shelf Life:

The JKL capsules have a shelf life of 2 years from the date of sterilization





## Special Configuration:

### Layer Option:

- Single Layer
- Dual Layer

### Micron Rating Option:

- 0.05 Micron
- 0.1 Micron
- 0.2 Micron
- 0.45 Micron
- 0.65 Micron
- 8 Micron
- 1.2 Micron

### Seal Option:

- EPDM
- Nitrile
- Viton

### Inlet Fitting Option:

- 1H = 1/8" Hose Barb
- 1Q = 1/8" Male Quick Coupling
- 2H = 1/4" Hose Barb
- 2Q = 1/4" Male Quick Coupling for Metal latch
- 3H = 3/8" Hose Barb
- LF = Female Luer Lock
- MT = 1/2" Tri clamps

### Outlet Fitting Option:

- 1H = 1/8" Hose Barb
- 1Q = 1/8" Male Quick Coupling
- 2H = 1/4" Hose Barb
- 2H-FB = 1/4" Hose Barb with Filling Bell
- 2H-FC = 1/4" Hose barbs with Filling Bell with Cap
- 2Q = 1/4" Male Quick Coupling for Metal latch
- 3H = 3/8" Hose Barb
- LM = Male Luer Lock
- MT = 1/2" Tri clamps